

EXHIBIT A

David M. Hilbert, Ph.D.

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Summary

Over the past 11 years, I have combined my disciplined approach to science with the business of effective drug development and corporate management. The expertise gained has afforded me a unique appreciation of the biotech environment and the experience to transform the many challenges within that environment into opportunities for success. Currently, I am an independent biotech consultant with several clients in the Maryland biotech corridor. Previously, I was a member of the senior management team at Collective Therapeutics, a start-up antibody company acquired by MedImmune in October 2005. Prior to Collective, I was Vice President, Research at Human Genome Sciences. The Research group consisted of 104 dedicated scientists, research associates and support personnel responsible for discovery, target validation, antibody development, assay development, toxicology, pharmacokinetics, clinical testing and animal husbandry functions. Prior to HGS, I was a Staff Fellow in the National Cancer Institute, NIH.

Experience

2005 – Date Independent Consultant

- Consulted for MedImmune in the transition and integration of Collective antibody programs
- Consulted for two additional companies on strategic direction and drug development programs

2004 – 2005 Vice President, Research Collective Therapeutics, Inc. Gaithersburg, MD

- Participated in raising Series A financing of \$27.5 million
- Member of the executive management team consisting of the CEO, VP Business Development, and the VP Research.
- Worked with Collective investor base to enhance company value through timely product development, strategic partnership(s) and effective contract negotiations

- Coordinated filing of patents with outside legal counsel
- Established and managed strategic CRO alliances to provide manufacturing, preclinical, regulatory and clinical support
- Outsourced and managed mAb manufacturing
- Developed exit strategies that ultimately led to the acquisition of company by MedImmune in late 2005

**1996 – 2004 Vice President, Research,
Human Genome Sciences, Inc.**

- Utilized genomics-based drug discovery platforms to identify secreted proteins with therapeutic and diagnostic potential
- Developed *in vitro* and *in vivo* high throughput biological screening assays for target identification and validation
- Identified B Lymphocyte Stimulator (BLyS) and its role in normal B cell development and autoimmune disease
- Developed radioconjugate of BLyS (LymphoRad) for the treatment of neoplastic B cell disease
- Identified role of Ck-beta-9 in immune cell mobility and function
- Developed therapeutic mAb directed against BLyS for the treatment of autoimmune diseases
- Investigated mechanism(s) of action of IL6 and BLyS in B lymphocytes
- Recruited leading clinicians in the fields of autoimmunity and oncology to serve on Clinical Advisory Boards.
- Directed preclinical development (pharmacology, efficacy, safety, toxicology, pharmacokinetics, and dose and route rationale) to support IND filings
- Co-developed multiple Phase 1 and Phase 2 clinical programs for BLyS, LymphoRad, and LymphoStat (anti-BLyS mAb)
- Created clinical testing department at HGS responsible for the development, validation, and execution of all clinical sample tracking, testing, analyses and reporting protocols. Developed systems for automated data collection, quality assessment and transfer of results to the appropriate clinical trials databases.
- Outsourced and managed contract manufacturing of LymphoRad (radiolabeled BLyS) for research and clinical use
- Established and directed numerous expert advisory panels for scientific and clinical development

- Collaborated with Marketing and Business Development to create target drug profiles for compounds emerging from the Research Department
- Coalesced three independent research groups into a unified HGS Research Department. The newly formed department consisted of 104 dedicated employees who collectively were responsible for the company's research, antibody development, assay development, toxicology, pharmacokinetics, clinical testing and animal husbandry functions.
- Standing member of the HGS Product Development Committee comprising the heads of Research, Regulatory, Clinical, Project Management, Business Development, and Manufacturing. Team was responsible for defining and executing appropriate corporate strategies for each drug candidate.
- Developed and implemented performance-based employee bonus programs

Education

1979 B.S. Biology, Haverford College, Haverford, PA

1987 Ph.D. Immunology, University of Pennsylvania, Philadelphia, PA

Publications

Cancro, M. P., M. A. Thompson, and D. M. Hilbert. 1983. Developmental aspects of B-cell repertoire phenotype. *Surv. Immunol. Res.* 2:62.

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Hilbert, D. M., A. O. Anderson, K. L. Holmes, and S. Rudikoff. 1994. Long-term lymphoid reconstitution of SCID mice suggests self-renewing B and T cell populations in peripheral and mucosal tissues. *Transplantation*. 58:466.

Nazarov, V., D. Hilbert, and L. Wolff. 1994. Susceptibility and resistance to Moloney murine leukemia virus-induced promonocytic leukemia. *Virology*. 205:479.

Hilbert, D. M., M. Y. Shen, U. R. Rapp, and S. Rudikoff. 1995. T cells induce terminal differentiation of transformed B cells to mature plasma cell tumors. *Proc. Natl. Acad. Sci. U. S. A.* 92:649.

Fernandez-Salguero, P., T. Pineau, D. M. Hilbert, T. McPhail, S. S. Lee, S. Kimura, D. W. Nebert, S. Rudikoff, J. M. Ward, and F. J. Gonzalez. 1995. Immune system impairment and hepatic fibrosis in mice lacking the dioxin-binding Ah receptor [see comments]. *Science* 268:722.

Hilbert, D. M., M. Kopf, B. A. Mock, G. Kohler, and S. Rudikoff. 1995. Interleukin 6 is essential for in vivo development of B lineage neoplasms. *J. Exp. Med.* 182:243.

Lisignoli, G., M. C. Monaco, A. Facchini, S. Toneguzzi, L. Cattini, D. M. Hilbert, S. Lavaroni, O. Belvedere, and A. Degrassi. 1996. In vitro cultured stromal cells from

human tonsils display a distinct phenotype and induce B cell adhesion and proliferation. *Eur. J. Immunol.* 26:17.

Hilbert, D. M., T. S. Migone, M. Kopf, W. J. Leonard, and S. Rudikoff. 1996. Distinct tumorigenic potential of abl and raf in B cell neoplasia: abl activates the IL-6 signaling pathway. *Immunity*. 5:81.

Romanova, L. Y., I. A. Alexandrov, G. Schwab, D. M. Hilbert, J. F. Mushinski, and R. P. Nordan. 1996. Mechanism of apoptosis suppression by phorbol ester in IL-6-starved murine plasmacytomas: role of PKC modulation and cell cycle. *Biochemistry* 35:9900.

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